



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 4350  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,524	02/26/2002	Ian A. Stewart	WRLD-1-1013	8721

25315 7590 09/28/2005

BLACK LOWE & GRAHAM, PLLC  
701 FIFTH AVENUE  
SUITE 4800  
SEATTLE, WA 98104

EXAMINER

ZIA, SYED

ART UNIT	PAPER NUMBER
----------	--------------

2131

DATE MAILED: 09/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/085,524

Applicant(s)

STEWART, IAN A.

Examiner

Syed Zia

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

20

## **DETAILED ACTION**

This office action is in response to application filed on February 26, 2002. Original application contained Claims 1-11. Therefore, presently pending claims are 1- 11.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

### ***Claim Objections***

The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 6-10 been renumbered 7-11.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Caronni et al. (U. S. Patent 6,049,878).

1. Regarding Claim 1 Caronni teach a method for sending a secure multicast transmission, the method (Fig.1-3)) comprising: requesting to join a multicast broadcast at a user system (col.4 line 7 to line 50); encrypting the multicast transmission (col.4 line 66 to col.5 line 12); sending the encrypted multicast broadcast over a public network to a router associated with the user system requesting to join (col.5 line 13 to line 30, and col.6 line 20 to line 39); decrypting the sent multicast broadcast; and sending the decrypted multicast broadcast to the user system requesting to join (col.5 line 13 to line 30, and col.7 line 23 to line 39).

2. Regarding Claim 7 Caronni teach a system for sending a secure multicast transmission, the system (Fig.1-3) comprising: a computer system coupled to a public network and configured to encrypt the generated the multicast transmission; a router coupled to the public network (col.4 line 7 to col.5 line 12); and a user system configured to request to join a multicast broadcast, wherein the user system is associated with the router (col.5 line 13 to line 30, and col.6 line 20 to line 39); wherein the router is configured to retrieve the encrypted multicast broadcast from the computer system over the public network, decrypt the sent multicast broadcast, and send the decrypted multicast broadcast to the user system requesting to join (col.5 line 13 to line 30, and col.7 line 23 to line 39).

Art Unit: 2131

3. Claims 2, 5, 6, 8, and 11 are rejected applied as above rejecting Claim 1, and 7.

Furthermore, Caronni teach and describe a system and method wherein

As per claim 2, generating a multicast broadcast comprises generating the multicast broadcast at a computer system, and wherein encrypting the generated multicast broadcast comprises sending the generated multicast broadcast to a router local to the computer system for encrypting (col.5 line 13 to line 30).

As per claim 5, a plurality of user systems are associated with the router (Fig.2, col.1 line 11 to line 40).

As per claim 6 decrypting the sent multicast broadcast is performed at a router associated with the user system (col.7 line 55 to line 67)

As per claim 8 the computer system comprises a router locally coupled to a multicast broadcast generating system (Fig.1, col.4 line 34 to line 50).

As per claim 11 a plurality of user systems are associated with the router (Col.8 line 56 to line 67).

4. Claims 3-4, 9 and 10 are rejected applied as above rejecting Claim 2, and 8. Furthermore, Caronni teach and describe a system and method wherein

As per claim 3, generating a multicast broadcast comprises attaching a local address to the generated multicast broadcast and sending the generated multicast broadcast with the local address to the router local to the computer system (col.6 line 20 to line 39).

As per claim 9, the multicast broadcast generating system attaches a local address to the generated multicast broadcast and sends the generated multicast broadcast with the local address to the router (col.6 line 20 to line 39).

As per claim 4, encrypting the generated multicast broadcast comprises removing the local address and attaching a network multicast address to the encrypted multicast broadcast (col.7 line 7 to line 39).

As per claim 10, the computer system router removes the local address, encrypts the sent multicast broadcast, and attaches a network multicast address to the encrypted multicast broadcast (col.7 line 7 to line 39).

*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 571-272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SZ

September 08, 2005

